

33B
27.080
McDonnell Aircraft

JOHN ASHCROFT
Governor

G. TRACY MEHAN III
Director



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY

ST. LOUIS REGIONAL OFFICE
10805 Sunset Office Drive, Suite 100
St. Louis, MO 63127-1017
314-822-0101
Fax No. 314-822-0943

June 21, 1991

Joseph Haake
McDonnell Aircraft Company
Mail Code 0343530
P.O. Box 516
St. Louis, MO 63166-0516

L.O.W. #91-SL.039



Dear Mr. Haake:

Enclosed, please find a report of a hazardous waste management inspection conducted June 7, 1991 by Mr. Richard A. Barnes of my staff on McDonnell Aircraft Company Tract IV, Campus Parkway, St. Louis, Missouri.

Please note that the section titled "UNSATISFACTORY FEATURES" lists violations noted during the inspection, and outlines steps the inspector has determined will correct those violations.

In order to document that corrective actions have been taken, you are requested to submit a written response no later than July 22, 1991. The response should describe the steps taken to correct each of the unsatisfactory features identified. Please direct the response to Mr. Barnes. You should also forward a copy of your response and supporting documentation to Mr. Bruce Martin, Chief - Hazardous Waste Enforcement, Waste Management Program, P.O. Box 176, Jefferson City, MO 65102.

It is our purpose by this letter to persuade you to take all necessary actions to comply with the Missouri Hazardous Waste Management Law. Failure to achieve timely resolution of violations may result in the referral of this case for enforcement action by the Waste Management Program.

Should you have any questions, or wish to confer in this matter, please contact the St. Louis Regional Office at (314) 822-0101.

Sincerely,

ST. LOUIS REGIONAL OFFICE

Robert S. P. Eck
Regional Administrator

RSPE/RAB/sh

Enclosure

cc: Waste Management Program



R00136615
RCRA RECORDS CENTER



RESOURCE CONSERVATION AND RECOVERY ACT
AND
MISSOURI HAZARDOUS WASTE MANAGEMENT LAW
COMPLIANCE EVALUATION INSPECTION REPORT

Facility

McDonnell Aircraft
Tract IV, 5775 Campus Parkway
Mail Code 0343530
P.O. Box 516
St. Louis, MO 63166-0516

EPA ID #: MOD000818971
MO Generator ID: 01251

Participants

Department of Natural Resources

Richard A. Barnes
Environmental Specialist
St. Louis Regional Office

McDonnell Aircraft

Bob Kaatman and
Joseph Haake
Environmental Compliance

Introduction

An inspection of McDonnell Aircraft, Campus Parkway, located at the above address, was conducted on June 7, 1991, by Mr. Richard A. Barnes of the Department of Natural Resources. The inspection was conducted under the authority of the Resource Conservation and Recovery Act (RCRA) of 1976 and Sections 260.375(9) and 260.377 of the Missouri Waste Management Law (1977) as amended. The inspection was confined to facets of the operation relevant to hazardous waste management.

Facility Description

McDonnell Aircraft, Tract IV, Campus Parkway, has 50 employees working where they may be involved in hazardous waste management. There are two shifts that usually work five days a week. McDonnell Aircraft has been in operation at this site for 15 years.

Tract IV includes 16 buildings (see attached list). There are fifteen buildings in Tract IV whose hazardous waste is accumulated in a covered storage area outside the manufacturing technology building (Building #276). The storage area is divided so that incompatible hazardous wastes can be separated. Fourteen of those fifteen buildings are office buildings that very rarely generate hazardous waste. The manufacturing technology building contains the prototype process line for research and development. They have a machine shop, chemical process facility, a robot paint room and a manually operated paint room. The sixteenth building in Tract IV is an office/warehouse building (Building #284). The hazardous waste from this location is from furniture refinishing. This building has its own waste storage area.

McDonnell Aircraft Tract IV Campus Parkway is a large quantity generator of hazardous waste. The hazardous waste streams generated by the facility are:

1. Waste cutting oil (D098) generated in the machine shop of building #276. Approximately 3,520 pounds are generated per month.
2. Waste paint related solid with chromium (D007). This waste stream is generated during clean up in the robot paint room and the manual paint room of building #276 and in the refinishing paint booths of building #284. The paint related solids are accumulated in 30 gallon drums. The full satellite storage containers in building #276 are transferred to 55 gallon drums and taken to the containment area outside of building #276. The full satellite storage containers in building #284 are placed in special dumpsters used only for waste paint related solid. These dumpsters are then picked up by the transporter. While most of the paint related wastes are water based and not hazardous, they may be mixed with paint waste from aircraft painting which contains chromium. Therefore, all waste paint related solids are treated as hazardous. Approximately 2,760 pounds are generated per month.
3. Waste paint related liquid (F003, F005, D001, D007, D035). This waste comes from a variety of different painting operations, primarily in the two paint shops in building #276. This waste solvent is collected in 55 gallon satellite storage drums. When full, these drums are taken to the hazardous waste containment area outside building #276. Approximately 1,600 pounds are generated per month.
4. Waste Nitric Acid (D002) 7,200 pounds.
5. Waste Chromic Acid (D002, D006, D007) 15,120 pounds
6. Waste Hydrochloric Acid (D002) 656 pounds
7. Waste Corrosive Solid (Ferrous Chloride) (D002) 2,384 pounds.

Waste stream numbers 4, 5, 6 and 7 are generated in the prototype chemical processing line of building #276. Wastes are only generated when a processing tank is cleaned out. Each tank has been cleaned out once this year (see attached manifest). Hazardous waste manifests are attached. All hazardous waste generated in Tract IV is transported by McDonnell Aircraft to their treatment, storage and disposal facility under another hazardous waste identification number.

Unsatisfactory Features

1. Unmarked containers of hazardous waste in the satellite accumulation area, in violation of 10 CSR 25-5.262(2)(C)3. The 30 gallon satellite accumulation drums used for solvent and paint soaked rags were not marked or dated. The facility must mark the containers either with the words "hazardous waste" or with other words that identify the content of the containers and the beginning date of satellite storage.

27.080

McDonnell Aircraft

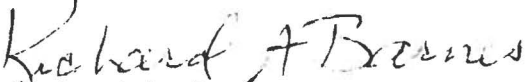
RCRA & MHWML INSPECTION REPORT

Page Three

2. No documented inspections of the hazardous waste storage area, in violation of 10 CSR 25-5.262(1) referencing 40 CFR 262.34(a)(1) further referencing 40 CFR 263.174. McDonnell Aircraft did not have an established periodic inspection program for the hazardous waste storage area outside building #276. The facility must inspect areas where containers are stored, at least weekly, looking for leaks and deterioration caused by corrosion and other factors.

Should you have any questions regarding this report, please contact the St. Louis Regional Office.

Prepared by:



Richard A. Barnes

Environmental Specialist

St. Louis Regional Office

RAB/sh

LARGE QUANTITY GENERATOR CHECKLIST

Form LOG-INSP
(10-15-88)Name of Facility: McDONNELL DOUGLASDate: 6-7-91Address: TRACT IV
5775 CAMPUS PARKWAY
ST LOUIS MO 63166Other Inspections Done:
RR TRANS LDR
OTHER Phone: (314) 232 3319 MO ID# 01251EPA ID# MOD000818971Facility Representative: JOE HAAKETitle: SECTION MGR.
WASTE MANAGEMENT

Briefly describe manufacturing process(es). (Use continuation sheet, if needed.)

MACHINING, PAINTING, PLATING, STRIPPING, from
a prototype process facility and painting
with refurbishing of furniture.

List of wastes generated. (Use continuation sheet, if needed.)

Waste	Amount/Month	Disposition
1. <u>waste cutting oil</u>	<u>3520 P</u>	<u>Fuel Blending</u>
2. <u>waste paint solids</u>	<u>2760 P</u>	<u>Incineration</u>
3. <u>waste paint liquids</u>	<u>1600 P</u>	<u>Fuel Blending</u>
4. <u>waste acid</u>	<u>22,976 P</u>	<u>Incineration</u>
5. <u>waste corrosive</u>	<u>2,384 P</u>	<u>Incineration</u>

A. MANIFESTS AND RECORDKEEPING 10 CSR 25-5.262(2) AND 5.262(2)(B) AND (D)

Generator's MO and EPA I.D. Numbers.

Manifest document number (MO I.D. & Shipment #).

EPA Waste I.D. codes

Generator's name, address, phone #

All Transporters' names, phone #'s, MO and EPA I.D. #'s.

Designated facility name, address, phone # and MO and EPA I.D. #

Proper DOT Shipping Name, Hazard Class and I.D. #.

Containers, Quantity and Unit Wt/Vol being shipped properly designated.

Proper certification including waste minimization.

Manifest properly signed and dated.

No more than 10 days time between generator and facility signatures.

Manifests returned within 35 days.

If not, exception generator report submitted within 45 days.

Completed manifests and Summary Manifest Report and Certification.

Spills of reportable quantities reported to DNR.

B. PRETRANSPORT, CONTAINERIZATION AND LABELING 10 CSR 25-5.262(2) AND 5.262(2)(C)1

Waste Packaged, marked and labeled per DOT during entire on-site storage period and prior to transport. Placards available for use by transporters Satellite accumulation requirements met (if applicable).

- a. Stored in satellite areas less than 1 year.
- b. Containers marked identifying contents and beginning date.
- c. Containers kept closed/compatible/good condition.
- d. Quantities accumulated not exceeding 55 gal. (1 qt. acutely haz. waste).

C. STORAGE STANDARDS 10 CSR 25-5.262(2) AND 5.262(2)(C)2 AND 3

Facility inspected and maintained. Date of accumulation marked. Storage less than 90 days (unless small quantity generator).

D. CONTAINER STORAGE 10 CSR 25-5.262(2) AND 5.262(2)(C)2

Containers in good condition. Containers kept closed in storage. Containers storing incompatible waste separated or protected from each other. Containers of ignitable or reactive waste stored > 50 feet from property line. Containers stored within a containment system (if applicable) meeting criteria of 10 CSR 25-5.262(2)(C)2.B.

E. STORAGE TANKS 10 CSR 25-5.262(1) AND 5.262(2) (C.D.E.)
See tank check list

N/A

F. PERSONNEL TRAINING 10 CSR 25-5.262(2)

Documentation of hazardous waste director's qualifications or training. ✓
Completed classroom or on-the-job training. ✓
Job title, description, and name of person filling position. ✓
Written record of the type and amount of training given. ✓
Documentation confirming that training has been given. ✓

G. PREPAREDNESS AND PREVENTION 10 CSR 25-5.262(1) AND 5.262(2) (C.D.E.)

Internal communication or alarm system. ✓
Device in the hazardous waste operation area capable of summoning emergency assistance. ✓
Fire control, spill control, and decontamination equipment available. ✓
Adequate water supply for fire control equipment. ✓
Adequate and proper safety equipment available. ✓
Adequate aisle space. ✓
Arrangements with local emergency agencies. ✓

H. CONTINGENCY PLAN AND EMERGENCY PROCEDURES 10 CSR 25-5.262(2)

Contingency Plan. ✓
Detailed description of procedures that personnel must implement to respond to fires, explosions, or releases of hazardous waste. ✓
Describe formal arrangements with emergency agencies. ✓
Name, addresses, and phone numbers (home & office) of emergency coordinators. ✓
Emergency equipment including its description and location. ✓
Evacuation plan if applicable. ✓

I. WASTE OIL 10 CSR 25-11.010

Written waste oil contract maintained. ✓
Waste oil properly stored and transported. ✓

COMMENTS:

Inspector Signature & Title:

Office:

Richard A. Barnes
SCRO

IN COMPLIANCE

IN VIOLATION OR
ABSENT

✓
—

TRACT IV Building list

Appendix "E" Chart I (Cont'd)
REAL PROPERTY IDENTIFICATION

NO: CP 4.003
PAGE 3 of 4
DATE: 14 Apr 87

NO.	NAME	NO.	NAME
240	Warehouse, 6667 Jonas Place, Berkeley, Mo.	(11) 279	Office Building 975 Hornet Drive, St. Louis County, Mo
245	Tooling Facility, 8900 Frost, Berkeley, Mo.	(12) 280	Office Building, 600 James S. McDonnell Blvd., St. Louis County, MO.
248	Office/Warehouse, 6709 Frost Industrial Lane, Berkeley, Mo.	(13)**281	Office Building, 5757 Phantom Drive, St. Louis, County, Mo.
250	Receiving Building, 6951 N. Hanley Rd., Hazelwood, Mo.	(14) 283	Office/Warehouse, 5463 Phantom Drive, St. Louis County, Mo.
251	Shipping Building, 6951 N. Hanley Rd., Hazelwood, Mo.	(15) 284	Office/Warehouse, 5445 Phantom Drive, St. Louis County, Mo.
252	Avionic Laboratories Building, 7045 N. Hanley Rd., Hazelwood, Mo.	(16)**287	Office Building, 900 Hornet Drive St. Louis County, Mo.
269	Office Building, 944 Anglum Drive, St. Louis County, Mo.	300	Cafeteria Building
(1) 270	Office Building,* 5775 Campus Parkway, St. Louis County, Mo.	301	Office Building
(2) 271	Office Building, 5651 Phantom Dr., St. Louis County, Mo.	302	Office Building
(3) 272	Medical Development Building, 595 Anglum Rd., St. Louis County, Mo.	303	Office Building
(4) 272A	Storage Building, 5615 Anglum Court, St. Louis County, Mo.	304	Office Building
(5) 273	Office Building, 1020 Anglum Rd., St. Louis County, Mo.	305	Office Building
(6) 274	Human Resources Building, 5695 Campus Parkway, St. Louis, Mo.	306	Computer Support Building
(7) 275	Duplicating Building, 560 Anglum Rd., St. Louis County, Mo.	307	Computer Operations Building
(8) 276	Manufacturing Technology Building, 5547 Phantom Dr., St. Louis County, Mo.	310	Energy Center
(9) 277	Office Building,* 951 Hornet Dr., St. Louis County, Mo.	311	Electric Sub Station
(10) 278	Office Building,* 5531 Phantom Dr., St. Louis County, Mo.	312	Storage Tank (Fire Protection)
		327	Office Building, 414-460 James S. McDonnell Blvd., Hazelwood, Mo.
		NOTE:	400 Series reserved for TI-CO.
		500	Manufacturing Building, 2600 No. 3rd St., St. Charles, Mo.
		505	Engineering Laboratory, 2600 No. 3rd St., St. Charles, Mo.
		506	Office Building, 2600 No. 3rd St., St. Charles, Mo.
		508	Printed Wire Board Assembly, 2600 No. 3rd St., St. Charles, Mo.
		509	Incinerator, 2600 No. 3rd St., St. Charles, Mo.
		520	Storage Building, 2600 No. 3rd St., St. Charles, Mo.

INSTRUCTIONS FOR THE COM-
PLETION OF THIS FORM ARE ON A
SEPARATE SHEET.

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MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality

Waste Management Program

P.O. Box 176 Jefferson City, Missouri 65102

314-751-3176

EMERGENCY RESPONSE

U.S. COAST GUARD

1-800-424-8802

CHEM TREC

1-800-424-8300

DEPT. OF NATURAL RESOU-
314-634-2438

HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved OMB No. 2060-0038, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is required by State law.
3. Generator's Name and Mailing Address					
McDonnell Douglas Corporation - St. Louis					
P.O. Box 516, MC 0801300, St. Louis, Missouri 63166					
4. Generator's Phone (314) 232-3319					
5. Transporter 1 Company Name		6. US EPA ID Number			
McDonnell Douglas Corporation		M D O D O C O 8 1 6 9 7 1 0 1 2 1 3			
7. Transporter 2 Company Name		8. US EPA ID Number			
None					
9. Designated Facility Name and Site Address		10. US EPA ID Number			
McDonnell Douglas Corporation					
140 McDonnell Boulevard					
St. Louis, Missouri 63145		M D O D O C O 8 1 6 9 7 1 0 1 2 1 3			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol.
a. Waste Emulsified Cutting Oil (not DOT regulated)		ZEP		650	G
b. RQ = 10 lbs. Hazardous Waste, Solid, N.O.S. (Contains Paint-related Material)		SPM		10	Y
c. ORM-E NA9189 (DCCB)					
d.					
15. Special Handling Instructions and Additional Information					
"If unable to deliver to designated TSD facility, return to generator."					
Emergency Contact: (314) 232-2285					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.					
Printed/Typed Name		Signature		Month Day Year	
Edmond D. Hickey		Edmond D. Hickey		10/12/81	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date	
Printed/Typed Name		Signature		Month Day Year	
Pete Garina		Pete Garina		10/12/81	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date	
Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature		Month Day Year	
Edmond D. Hickey		Edmond D. Hickey		10/12/81	

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PLETION OF THIS FORM ARE ON A
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Division of Environmental Quality

Waste Management Program

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314-751-3178

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1-800-424-8300

DEPT. OF NATURAL RESOURCES

314-834-2438

HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page	Information in the shaded areas is required by State law:
3. Generator's Name and Mailing Address		McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0343530, St. Louis, Missouri 63165		1	
4. Generator's Phone		314 232-3339		1	
5. Transporter 1 Company Name		6. US EPA ID Number			
McDonnell Douglas Corporation		M U D 0 0 0 3 1 8 9 6 3			
7. Transporter 2 Company Name		8. US EPA ID Number			
None					
9. Designated Facility Name and Site Address		10. US EPA ID Number			
McDonnell Douglas Corporation 140 McDonnell Boulevard 63145 ST. Louis County, Missouri XXXXX		M U D 0 0 0 3 1 8 9 6 3			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers	13. Total Quantity	14. Unit Wt/Vol.	
a. Waste Emulsified Cutting Oil (not DOT regulated)		302 T.P.	00690	G	
b. RQ = 10 lbs. Hazardous waste, solid, H.O.S. (Contains paint-related material) ORM-F NA9189 (D007)		005 C.M.	03450	P	
c. RQ Waste Corrosive liquid UN1704 (D002)		003	00055	G	
d. Waste Flammable liquid UN1263 (D001)		010 P.M.	0.500	G	
e. Waste Flammable liquid UN1263 (D001)		010 P.M.	0.500	G	
15. Special Handling Instructions and Additional Information					
"If unable to deliver to designated TSD facility, return to XXXXX generator." Missouri Document 001251-0124 Emergency contact: 314-232-2265					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.					
Printed/Typed Name		Signature		Month	Day Year
Annette C. Wagner		Annette C. Wagner		10	31 91
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Month	Day Year
E J. SHAW		E J. SHAW		3	13 91
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Month	Day Year
19. Discrepancy Indication Space					
Item C tested to be water - deleted from manifest (ACW) 4-11-91					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name		Signature		Month	Day Year
Annette C. Wagner		Annette C. Wagner		10	31 91

INSTRUCTIONS FOR THE COM-
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Division of Environmental Quality

Waste Management Program

P.O. Box 178 Jefferson City, Missouri 65102

314-751-3178

HAZARDOUS WASTE MANIFEST

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314-634-2438

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Form Approved. OMB No. 2050-0039, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address		McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0343530, St. Louis, MO 63166				
4. Generator's Phone (314) 232-3519		Missouri 03106				
5. Transporter 1 Company Name		6. US EPA ID Number				
McDonnell Douglas Corporation		1100000803963				
7. Transporter 2 Company Name		8. US EPA ID Number				
None						
9. Designated Facility Name and Site Address		10. US EPA ID Number				
McDonnell Douglas Corporation 140 McDonnell Boulevard St. Louis County, Missouri 63145		1100000803963				
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers	13. Total Quantity	14. Unit Wt/Vol.
a. RQ = 10 lbs. Waste paint-related material Flammable liquid UN1263 (F003, F005, D001, D007, D035)				9 DM	4.50	
b. Waste ORNL-R, NCS (Paint-related) 9.1) ORNL-R NA 1493 (F001)				10 DM	500 G	
c. Waste. Corrosive Sol. NCS Carosane 20-2-1-1 UN1759				12 DM	100 G	
d. Hazardous waste paint-related ORNL-R NA 9129 (ACW)				3 DM	150 G	
e. Listed Above: 07, D035 Specific gravity 0.9 Missouri ID 0431						
15. Special Handling Instructions and Additional Information						
"If unable to deliver to designated TSD facility, return to XXXXX generator." Missouri Document 001251-0125 Emergency contact: 314-232-2285						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.						
Printed/Typed Name		Signature		Month Day Year		
Annelle C. Wagner		Annelle C. Wagner		03/11/91		
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature		Date		
Printed/Typed Name		Signature		Month Day Year		
Richard Guyse		Richard Guyse		03/11/91		
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date		
Printed/Typed Name		Signature		Month Day Year		
19. Discrepancy Indication Space						
I am deleting 1 added to Item 12. (ACW) 4-11-91						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name		Signature		Date		
Annelle C. Wagner		Annelle C. Wagner		03/11/91		

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Division of Environmental Quality
Waste Management Program
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314-751-3176

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314-634-2439

HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. MO00000818971001216	Manifest Document No. 001216	2. Page 1 of 1	Information in the shaded areas is required by State law.
3. Generator's Name and Mailing Address: McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0343530, St. Louis, Missouri 63160					
4. Generator's Phone (314) 232-3319					
5. Transporter 1 Company Name McDonnell Douglas Corporation		6. US EPA ID Number MO00000818963			
7. Transporter 2 Company Name None		8. US EPA ID Number			
9. Designated Facility Name and Site Address McDonnell Douglas Corporation 140 McDonnell Boulevard St. Louis, Missouri 63145		10. US EPA ID Number MO000000318963			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ = 10 lbs. Hazardous Waste, Solid, N.O.S. (Contains paint-related material) OPA-E NA9189 (D007)		12. Containers 30M		13. Total Quantity 6 yds	14. Unit Wt/Vol.
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to generator." Missouri Document 001251-0126 Emergency Contact: 314-232-2235					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.					
Printed/Typed Name Edward D. Hickey		Signature [Signature]		Month Day Year 03/20/91	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Richard G. Gysc...		Signature [Signature]		Month Day Year 03/20/91	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name Edward D. Hickey		Signature [Signature]		Month Day Year 03/20/91	

INSTRUCTIONS FOR THE COM-
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MISSOURI DEPARTMENT OF NATURAL RESOURCES

Division of Environmental Quality

Waste Management Program

P.O. Box 176 Jefferson City, Missouri 65102
314-751-3176

HAZARDOUS WASTE MANIFEST

EMERGENCY RESPONSE

U.S. COAST GUARD

1-800-424-8802

CHEM TREC

1-800-424-8300

DEPT. OF NATURAL RESOURCE

314-634-2438

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Form Approved. OMB No. 2050-0039, Expires 9-30-91

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M 0 D 0 0 0 8 1 8 9 7 1	Manifest Document No. 0 0 1 2 8	2. Page 1 of 1	Information in the shaded areas is required by State law.
3. Generator's Name and Mailing Address McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0343530, St. Louis, Missouri 63166		4. Generator's Phone (314) 232-3319		A. Manifest Number 0 0 1 2 8 1	
5. Transporter 1 Company Name McDonnell Douglas Corporation		6. US EPA ID Number M 0 D 0 0 0 8 1 8 9 6 3		B. State of Missouri 314-232-9325	
7. Transporter 2 Company Name None		8. US EPA ID Number		C. Manifest Number 0 0 1 2 8 1	
9. Designated Facility Name and Site Address McDonnell Douglas Corporation - 140 McDonnell Boulevard St. Louis, Missouri 63145		10. US EPA ID Number MUD000818963		D. Manifest Number 0 0 1 2 8 1	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ = 10 lbs. Hazardous waste, solid, N.O.S. (contains paint-related material) ORM-F NA9189 (D007)		12. Containers 0.03		13. Total Quantity 2070	14. Unit P
b. RQ = 100 lbs. Waste Hydrochloric Acid Corrosive material UN1789 (D002)		15. Containers D.M.		16. Total Quantity	17. Unit P
c. RQ = 10 lbs. waste paint-related material Flammable liquid UN1263 F003/F005/D001/D007/D018/D035		18. Containers D.M.		19. Total Quantity	20. Unit P
d.		21. Containers		22. Total Quantity	23. Unit
J. Additional Description for Materials Listed Above		K. Handling Codes for Wastes Listed Above			
a. MC ID 038 specific gravity 0.4					
b. MC ID 016 specific gravity 1.0					
c. MC ID 043 specific gravity 0.9 also F005/D001/D007/D018/D035					
d.					
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to generator." Missouri Document 001251-0128 Emergency contact: 314-232-2285					
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Printed/Typed Name Annette C. Wagner		Signature Annette C. Wagner		Month Day Year 04/25/91	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name R.M. Stogsdill		Signature R.M. Stogsdill		Month Day Year 3/27/91	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Annette C. Wagner					
Signature Annette C. Wagner		Month Day Year 04/25/91			

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HAZARDOUS WASTE MANIFEST

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. M 0 0 0 0 0 8 1 8 9 7 1 0 0 1 2 7		Manifest Document No. 2 Page 1 of 1		Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0343530, St. Louis, Missouri 63166				A. Missouri Manifest Document Number 0 0 1 2 5 1 0 1 2 7			
4. Generator's Phone (314) 232-3319				B. State Generator's ID - other 001251			
5. Transporter 1 Company Name McDonnell Douglas Corporation		6. US EPA ID Number M 0 0 0 0 0 8 1 8 9 6 3		C. MO. Transporter's ID H-1039		D. Transporter's Phone 314-232-9327	
7. Transporter 2 Company Name None		8. US EPA ID Number		E. MO. Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address McDonnell Douglas Corporation 140 McDonnell Boulevard St. Louis, Missouri 63166		10. US EPA ID Number M 0 0 0 0 0 8 1 8 9 6 3		G. State Facility's ID MOD000818963		H. Facility's Phone 314-232-3319	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. RQ = 10 lbs. XXX Hazardous Waste Solid, N.O.S. (contains paint-related material) ORM-E XXX NA9189 (D007)				12. Containers 2 CM		13. Total Quantity 4 yd	14. Unit Wt/Vol D 0 0 7
b.						EPA WASTE CODE	
c.						EPA WASTE CODE	
d.						EPA WASTE CODE	
J. Additional Descriptions for Materials Listed Above a. MO ID Q38				K. Handling Codes for Wastes Listed Above			
b.							
c.							
d.							
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to generator." Missouri Document 001251-0127 Emergency XXX contact: 314-232-2285							
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Printed/Typed Name Edmund A. Wickley				Signature Edmund A. Wickley		Month Day Year 04 19 91	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name R. MICHAEL STOGSDILL				Signature R. Michael Stogsdill		Month Day Year 4 13 91	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month Day Year	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.							
Printed/Typed Name				Signature		Month Day Year	

GENERATOR

TRANSPORTER

FACILITY

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page <u>1</u> of <u>1</u>	Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0343530, St. Louis, Missouri 63166		4. Generator's Phone (314) 232-3319		A. Material Hazardous to Humans 0, 1, 2, 9		
5. Transporter 1 Company Name McDonnell Douglas Corporation		6. US EPA ID Number MOD000818963		B. State 001251		
7. Transporter 2 Company Name None		8. US EPA ID Number		C. Material Hazardous to the Environment 314-232-9327		
9. Designated Facility Name and Site Address McDonnell Douglas Corporation 140 McDonnell Boulevard St. Louis, MO 63145		10. US EPA ID Number MOD000818963		D. Material Hazardous to the Environment 314-232-9327		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit Wt/Vol.
a. RQ = 10 lbs. Hazardous Waste, Solid, N.O.S. (contains paint-related material) URN-E NA9189 (D007)		2 C.M.		4 Y		EPA WASTE CODE D.C.
b. RQ = 10 lbs. Waste paint-related material Flammable liquid UN1263 F003/F005/D001/D007/D018/D035		1 D.M.		50 G		EPA WASTE CODE F.T.U.
c. R.O. WASTE HYDROCHLORIC ACID CORROSIVE MATERIAL UN1789 D002		1 D.M.		50 G		EPA WASTE CODE D.C.
d.						EPA WASTE CODE
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above				
b. also F005/D001/D007/D018/D035		038				
c. MOTOR OIL		043				
d.						
15. Special Handling Instructions and Additional Information "If unable to deliver to designated TSD facility, return to generator." Emergency contact: 314-232-2285						
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Printed/Typed Name Edmond D. Huey		Signature Edmond D. Huey		Month Day Year 05/16/91		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name James W. Cory		Signature James W. Cory		Date 05/16/91		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Date		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name Edmond D. Huey		Signature Edmond D. Huey		Date 05/16/91		

MISSOURI DNR FINAL COPY - PART 1

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HAZARDOUS WASTE MANIFEST

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is required by State law.	
3. Generator's Name and Mailing Address		McDonnell Douglas Corporation - St. Louis P.O. Box 516, MC 0343530, St. Louis, Missouri 63166		A. Manifest Number 001251		
4. Generator's Phone (314) 232-3319		5. Transporter 1 Company Name McDonnell Douglas Corporation		B. Manifest Number 001251		
6. US EPA ID Number M 0 0 0 0 0 8 1 8 9 7 1 0 0 1 3 0		7. Transporter 2 Company Name None		C. Manifest Number 001251		
8. US EPA ID Number		9. Designated Facility Name and Site Address McDonnell Douglas Corporation 140 McDonnell Blvd. St. Louis, MO 63145		D. Manifest Number 001251		
10. US EPA ID Number M 0 0 0 0 0 8 1 8 9 6 3		11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		E. Manifest Number 001251		
a. RQ = 10 lbs. waste Nitric Acid, 40% or less Corrosive material, NA1760 (D002/D007/D010)		12. Containers		F. Manifest Number 001251		
b. R.O. WASTE Corrosive Liquid, N.O.S. Chronic Acid Corrosive Material UN1760 (D002, D006, D007)		13. Total Quantity		G. Manifest Number 001251		
c. EMULSIFIED CUTTING OIL		14. Unit Wt/Vol.		H. Manifest Number 001251		
NON-REGULATED		15. Special Handling Instructions and Additional Information		I. Manifest Number 001251		
J. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above		J. Manifest Number 001251		
a. MO ID 003 also D007/D010		16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and applicable state regulations.		K. Manifest Number 001251		
b. MO ID 013 also D006 D007		If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment, OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method available to me that I can afford.		L. Manifest Number 001251		
c.		Printed/Typed Name		M. Manifest Number 001251		
d.		Signature		N. Manifest Number 001251		
17. Transporter 1 Acknowledgement of Receipt of Materials		18. Transporter 2 Acknowledgement of Receipt of Materials		O. Manifest Number 001251		
Printed/Typed Name		Printed/Typed Name		P. Manifest Number 001251		
HARRY KREPS		HARRY KREPS		Q. Manifest Number 001251		
Signature		Signature		R. Manifest Number 001251		
19. Discrepancy Indication Space		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19		S. Manifest Number 001251		
FACILITY		Date		T. Manifest Number 001251		